



**PATENT**  
**DON01 P-1087**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group : 3612  
Applicants : Kenneth Schofield, Mark L. Larson and Keith J. Vadas  
Serial No. : 10/643,602  
Filing Date : August 19, 2003  
For : REARVIEW VISION SYSTEM FOR VEHICLE  
INCLUDING PANORAMIC VIEW

Customer No. : 28101

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

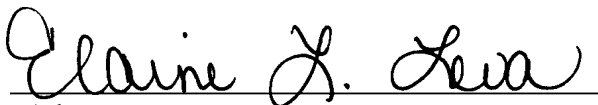
Dear Sir or Madam:

CERTIFICATE OF MAILING

I certify that the attached return postcard, Supplemental Information Disclosure Statement (2 pages), Forms PTO-1449, PTO/SB/08A and PTO/SB/08B (15 pages), and copy of non U.S. patent references (3 books) are being deposited with the United States Postal Service as first class mail in a box addressed to:

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P.O. Box 1450  
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on July 11, 2007.

  
Elaine L. Leva  
Van Dyke, Gardner, Linn & Burkhart, LLP  
2851 Charlevoix Drive, S.E.  
P.O. Box 888695  
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TAF/ell  
Enclosures



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DON01 P-1087

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Alexandria, VA 22313-1450

Dear Sir or Madam:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

In accordance with 37 CFR 1.51, 1.56, 1.97 and 1.98, Applicants submit herewith patents, publications or other information listed on attached Forms PTO-1449, PTO/SB/08A and PTO/SB/08B for consideration by the Examiner in connection with examination of the present application.

This Information Disclosure Statement is not intended to constitute an admission that any patent, publication or other information referred to herein is "prior art" for this invention unless specifically designated as such.

Under 37 CFR 1.97, the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists.

The present application is a continuation of application Serial No. 09/776,625, filed on February 5, 2001, now Patent No. 6,611,202, which is a continuation of application Serial No. 09/313,139, filed on May 17, 1999, now Patent No. 6,222,447, which is a continuation of application Serial No. 08/935,336, filed on September 22, 1997, now Patent No. 5,949,331, which is a continuation of application Serial No. 08/445,527, filed on May 22, 1995, now Patent No. 5,670,935, which is a continuation-in-part of patent application Serial

Applicants : Kenneth Schofield, Mark L. Larson and Keith J. Vadas  
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No. 08/023,918 filed February 26, 1992, by Kenneth Schofield and Mark Larson, now Patent No. 5,550,677.

Applicant notes that U.S. Patent Nos. 5,949,331 and 6,222,447 are the subject of Reexamination Control Nos. 90/007,520 and 90/007,519, respectively. These reexaminations are listed on the attached Form PTO/SB/08B. An Office Action and a Response have been entered in both reexaminations. Copies of the reexamination documents are not included herewith due to their bulk, and since it is presumed that the Examiner will have access to such material. However, should the Examiner require a copy of any such documents, the Examiner is invited to contact the undersigned attorney.

This Information Disclosure Statement is being filed before Applicants are aware of any mailing date of a first Office Action on the merits.

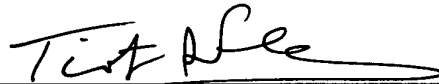
An early and favorable action on the merits is respectfully requested.

Respectfully submitted,

KENNETH SCHOFIELD ET AL.

By: Van Dyke, Gardner, Linn & Burkhardt, LLP

Dated: July 11, 2007



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Timothy A. Flory  
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TAF/ell

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE  
(Rev. 2-32) PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
DON01 P-1087SERIAL NO.  
10/643,602INFORMATION DISCLOSURE  
STATEMENT BY APPLICANTAPPLICANTS  
Kenneth Schofield et al.

(Use several sheets if necessary)

FILING DATE  
August 19, 2003GROUP  
3612

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
		5	8	9	6	0	8	5	04/1999	Mori et al.	340	469	
		5	8	9	0	0	2	1	03/30/99	Onoda	396	121	
		5	8	8	3	7	3	9	03/16/99	Ashihara et al.	359	462	
		5	8	6	7	5	9	1	02/02/99	Onda	382	154	
		5	8	5	0	1	7	6	12/15/98	Kinoshita et al.	340	435	
		5	0	2	7	0	0	1	09/1991	Torbert	307	10.1	
		6	7	1	7	6	1	0	04/2004	Bos et al.	348	148	
		5	8	3	7	9	9	4	11/17/98	Stam et al.	250	208.1	
		5	7	9	6	0	9	4	08/18/98	Schofield et al.	250	208.1	
		6	5	5	3	1	3	0	04/2003	Lemelson et al.	382	104	
		5	2	8	9	1	8	2	02/1994	Brillard et al.			
		5	3	7	4	8	5	2	12/1994	Parkes			
		5	0	0	3	2	8	8	03/1991	Wilhelm			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLA- TION	
													Y	N

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL		

EXAMINER	DATE CONSIDERED
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(Form PTO-1449 [6-4])

<b>FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE</b> <b>(Rev. 2-32) PATENT AND TRADEMARK OFFICE</b>  <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)	<b>ATTY. DOCKET NO.</b> DON01 P-1087	<b>SERIAL NO.</b> 10/643,602
	<b>APPLICANTS</b> Kenneth Schofield et al.	
	<b>FILING DATE</b> August 19, 2003	<b>GROUP</b>

### U.S. PATENT DOCUMENTS

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		6	2	0	1	6	4	2	3/2001	Bos	359	565	
		5	7	6	0	8	2	8	6/1998	Cortes	348	143	
		5	7	6	0	8	2	6	6/1998	Nayer	348	36	
		5	6	4	8	8	3	5	7/1997	Uzawa	396	429	4/7/95
		5	4	0	6	3	9	5	4/1995	Wilson et al.	359	15	
		5	2	0	8	7	0	1	5/1993	Maeda	359	574	
		5	0	4	4	7	0	6	9/1991	Chen	359	357	
		5	0	1	6	9	7	7	5/1991	Baude et al.	350	162.17	
		4	8	9	5	7	9	0	1/1990	Swanson et al.	430	321	
		4	6	4	7	1	6	1	3/1987	Müller	350	462	
		4	3	8	1	8	8	8	5/1983	Momiyama	350	458	
		3	9	4	7	0	9	5	3/1976	Moultrie	350	302	3/74

### FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLA- TION	
													Y	N
		9	6	3	8	3	1	9	12/1996	PCT				
	0	4	1	6	2	2	2	A2	3/1991	EPO				Abst.
		2	2	4	1	0	8	5	03/14/1975	France				Abst.
	GB	2	3	2	7	8	2	3A	2/1999	United Kingdom				
	DE	2	9	3	1	3	6	8A1	2/1981	Germany				Abst.

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL		
		Hamit, Francis "360-Degree Interactivity: New Video and Still Cameras Provide a Global Roaming Viewpoint", <u>Advanced Imaging</u> , March 1997, page 50.
		Johannes, Laura "A New Microchip Ushers In Cheaper Digital Cameras", <u>The Wall Street Journal</u> , August 21, 1998, page B1.

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
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<b>FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE</b> <b>(Rev. 2-32) PATENT AND TRADEMARK OFFICE</b>  <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)	<b>ATTY. DOCKET NO.</b> DON01 P-1087	<b>SERIAL NO.</b> 10/643,602
	<b>APPLICANTS</b> Kenneth Schofield et al.	
	<b>FILING DATE</b> August 19, 2003	<b>GROUP</b> 3612

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		6	0	4	9	1	7	1		04/2000	Stam et al.	315	82	
		5	7	6	0	9	6	2		06/1998	Schofield et al.			
		5	9	9	0	4	6	9		11/1999	Bechtel et al.	250	208.1	

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EXAMINER INITIAL		DOCUMENT NUMBER								DATE	COUNT RY	CLASS	SUB- CLASS	TRANSLA- TION	
														Y	N
	DE	2	9	4	6	5	6	1A		5/27/1981	Germany			X	
	WO	9	7	3	5	7	4	3		10/1997	PCT				
	FR	2	7	2	6	1	4	4		04/26/1996	France			X	
	JP	08	1	6	6	2	2	1		06/25/1996	Japan			X	

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL		
		Article entitled "Generation of Vision Technology," published by VLSI Vision Limited, publication date unknown.
		Article entitled "On-Chip CMOS Sensors for VLSI Imaging Systems," published by VLSI Vision Limited, 1991.

EXAMINER	DATE CONSIDERED
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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/643,602
				Filing Date	August 19, 2003
				First Named Inventor	Kenneth Schofield et al.
				Art Unit	3612
				Examiner Name	
Sheet	4	of	15	Attorney Docket Number	DON01 P-1087

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US-5,845,000	12-01-1998	Breed et al.	
		US-5,844,682	12-01-1998	Kiyomoto et al.	
		US-5,660,454	08-26-1997	Mori et al.	
		US-5,650,944	07-22-1997	Kise	
		US-5,537,003	07-16-1996	Bechtel et al.	
		US-5,535,314	07-09-1996	Alves et al.	
		US-5,471,515	11-28-1995	Fossum et al.	
		US-5,461,357	10-24-1995	Yoshioka et al.	
		US-5,426,294	06-20-1995	Kobayashi et al.	
		US-5,351,044	09-27-1994	Mathur et al.	
		US-5,329,206	07-12-1994	Slotkowski et al.	
		US-5,182,502	01-26-1993	Slotkowski et al.	
		US-4,871,917	10-03-1989	O'Farrell et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		FR 2 641 237 A1	07-06-1990	Robert Bosch Company		X
		JP 06-267304	09-22-1994	Toyota Motor Corp.		X
		JP 06276524 A	09-30-1994	Toyota Motor Corp.		X
		JP 06-295601	10-21-1994	Toyota Motor Corp.		X
		JP 7-32936	02-03-1995	Toyota Motor Corp.		X
		JP 7-47878	02-21-1995	Toyota Motor Corp.		X
		JP 7-052706	02-28-1995	Toyota Motor Corp.		X
		JP 7-69125	03-14-1995	Toyota Motor Corp.		X
		JP 62-131837	06-15-1987	Hirohiko Yanagawa		X
		WO 86/05147	09-12-1986	Flaaten		

Examiner Signature		Date Considered	
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			Application Number	10/643,602	
			Filing Date	August 19, 2003	
			First Named Inventor	Kenneth Schofield et al.	
			Art Unit	3612	
			Examiner Name		
Sheet	5		15	Attorney Docket Number	DON01 P-1087

## U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US-5,124,549	06-23-1992	Michaels et al.	
		US-5,086,253	02-04-1992	Lawler	
		US-5,072,154	12-10-1991	Chen	
		US-4,967,319	10-30-1990	Seko	
		US-4,891,559	01-02-1990	Matsumoto et al.	
		US-4,862,037	08-29-1989	Farber et al.	
		US-4,768,135	08-30-1988	Kretschmer et al.	
		US-4,727,290	02-23-1988	Smith et al.	
		US-4,692,798	09-08-1987	Seko et al.	
		US-4,357,558	11-02-1982	Massoni et al.	
		US-4,236,099	11-25-1980	Rosenblum	
		US-4,037,134	07-19-1977	Löper	
		US-2,827,594	03-18-1958	Rabinow	
		US-2,632,040	03-17-1953	Rabinow	
		US-6,097,023	08-01-2000	Schofield et al.	
		US-6,559,435	05-06-2003	Schofield et al.	
		US-6,320,176	11-20-2001	Schofield et al.	
		US-5,172,235	12-15-1992	Wilm et al.	
		US-5,765,116	06-09-1998	Wilson-Jones et al.	

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** (Use as many sheets as necessary)

**Complete if Known**

Application Number	10/643,602
Filing Date	August 19, 2003
First Named Inventor	Kenneth Schofield et al.
Art Unit	3612
Examiner Name	
Attorney Docket Number	DON01 P-1087

Sheet 6 of 15

**U. S. PATENT DOCUMENTS**

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		Number-Kind Code <sup>2</sup> (if known)			

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		EP 0,426,503	05-1991	Donnelly Corp.		
		EP 0,492,591	07-1992	Gentex Corp.		
		FR 2,513,198	03-1983	Herrmann		X
		DE 2,133,182	01-1973	Gunter		X
		DE 2,808,260	08-1979	Keck		X
		DE 3,041,692	05-1981	Jackish		X
		DE 4,118,208	11-1991	Veit		X
		JP 57-173801	10-1982	Ichikoh IND LTD		X
		JP 57-208530	12-1982	Ichikoh IND LTD		X
		JP 57-208531	02-1983	Ichikoh IND LTD		X
		JP 58-19941	12-1982	Toshiba		X
		JP 3,284,413	12-1991	Suzuki		X
		GB 1,535,182	12-1978	Ackroyd et al.		
		GB 2,029,343	03-1980	Rickson et al.		
		GB 2,119,087	11-1983	Krippner et al.		
		GB 2,137,373	10-1984	Salomon et al.		
		GB 2,156,295	10-1985	Nakaho et al.		
		JP 59-51325	03-1984	Shimadzu Corp.		X
		JP 0-212730	10-1985	Ichikoh IND LTD		X
		WO-9419212-A	09-01-1994	Donnelly Corp.		
		EP-0788947	08-13-1997	Donnelly Corp.		

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		US-6,953,253	10-11-2005	Schofield et al.	
		US-6,802,617	10-12-2004	Schofield et al.	
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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
						X
Examiner Signature				Date Considered		

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Sheet	8	of	15	Attorney Docket Number	DON01 P-1087

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		Number-Kind Code <sup>2</sup> (if known)			
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Sheet	10	of	15	Attorney Docket Number	DON01 P-1087

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		Decision - Motions - Bd. R. 125(a), issued August 29, 2006 in connection with Interference No. 105,325, which involved U.S. patent application Serial No. 09/441,341, filed November 16, 1999 by Schofield et al. and U.S. Patent No. 5,837,994, issued to Stam et al.	
		Reexamination Control No. 90/007,519.	
		Reexamination Control No. 90/007,520.	

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ATTY. DOCKET NO.  
DON01 P-1087

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10/643,602

APPLICANTS  
Kenneth Schofield et al.

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		3	0	4	1	6	1	2	11/1980	Germany			Abst.
		6	1	5	6	6	3	8	04/1986	Japan			Abst.
				4	8	8	1	0	10/1988	Europe			

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		074170	01/20/1995	Japan			X
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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

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		6	1	7	2	6	1	3	01/2001	DeLine et al.	340	815.4	
		6	1	4	4	0	2	2	11/2000	Tennenbaum et al.	250	208.1	
		6	1	2	4	8	8	6	09/2000	DeLine et al.	348	148	
		6	0	9	7	0	2	4	08/2000	Stam et al.	250	208.1	
		6	0	8	7	9	5	3	07/2000	DeLine et al.	340	815.4	
		6	0	2	0	7	0	4	02/2000	Buschur	318	483	
		5	9	2	3	0	2	7	07/1999	Stam et al.	250	208.1	
		5	6	6	1	3	0	3	08/1997	Teder	250	341.8	
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		6	4	2	4	2	7	3	07/2002	Gutta et al.	340	937	
		6	6	7	2	7	3	1	01/2004	Schnell et al.	359	877	
		6	8	9	1	5	6	3	05/2005	Schofield et al.			

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							Y	N

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

EXAMINER INITIAL		Wang, G., et al. "CMOS Video Cameras", IEEE, 1991, p. 100-103.
		Ballard, Dana H. et al., "Computer Vision", 1982, p. 88-89, sect. 3.4.1.

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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